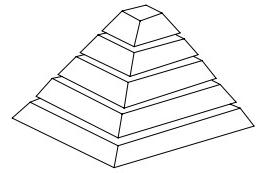


Philips Medical Systems



FIELD CHANGE ORDER

Service

Issued by : PMS DMC Hamburg
Released by : G. Kramm **signed**
Publication No. : 4512 980 61091

Reference No. : FCO74200019
Date : March 2004
Product Group : 742

service
recommendation

OPTIMUS RAD / RF / C

APPLIES TO:

All Optimus RAD / RF / C generators in combination with low-speed rotor control
989000002001 OPTIMUS RAD / RF 989000002202 Low-speed rotor control
989000002191 OPTIMUS C

TITLE:

Low-speed rotor control power resistor exchange

LIST OF PAGES & DRAWINGS:

1...2 (04.0)
ANR (04.0)

INTRODUCTION:

Symptom : Early failure or burnt smell of the resistors in the low-speed rotor control PCB EYA 100
Cause : The hygroscopic cementation of the resistors allows an absorption of humidity that may cause corrosion of the wires and failure of the resistors.
Remedy : Replacement of resistors R64 and R78 with new specially coated resistors.

MANPOWER / TIME TO COMPLETE:

1 service engineer, 1 hour

TOOLS & TEST EQUIPMENT:

TC129 Tool kit, standard

MODIFICATION KIT / PARTS REQUIRED:

2 x 4512 101 81021 resistor 17/40 3R3/5

Ordering information: Resistors are available at Service Logistics International, Hamburg.

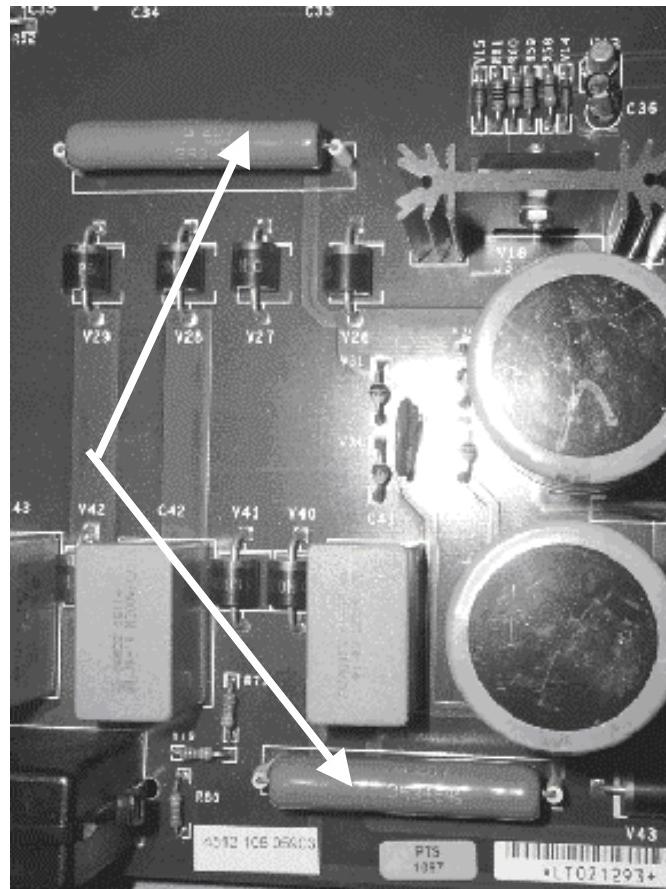
PROCEDURE:

- Unsolder the original resistors and remove them from the PCB.

The ceramic distance sleeves must be re-used.

The ceramic body of new resistors should not be touched.

- Insert the new resistors with two ceramic distance sleeves at each of the wire ends to keep the same distance from the PCB surface as before, resistor surface – pcb distance \geq 5mm (see photo).
- Solder on the wires and cut off the excess lengths.



PARTS DISPOSAL:

All parts are to be disposed of in a safe way in accordance with local safety and environmental regulations.

DOCUMENTATION:

- Log this action in the section "History Record" of the System Reference Manual.
- File this FCO in the section "Service Information" of the System Reference Manual.
- Fill out the attached Action Notification Report and send it to your SSD Customer Support Manager.

FCO ACTION NOTIFICATION REPORT

For local SSD use only; do not return to PMG.

TITLE : <i>Low Speed Roco power resistor exchange</i>	
CLASSIFICATION : <i>Service Recommendation</i>	FCO REF. NO.: <i>FC074200019</i>
APPLIES TO : <i>All Optimus RAD / RF / C generators in combination with Low Speed Rotor Control</i>	

ACTION ON THIS UNIT WAS: (select one)	JOB NO. / SERVICE INCIDENT NO.:
<input type="checkbox"/> Completed per instruction on _____ DATE	<input type="text"/>
<input type="checkbox"/> Completed by the factory prior to delivery.	
<input type="checkbox"/> Not completed as this unit is not affected per instruction because: (state reason) _____	
<input type="checkbox"/> Not completed because customer has unit in storage. Required parts & instructions received by the customer.	

CUSTOMER ACKNOWLEDGEMENT (Required for **MANDATORY ACTIONS** only).

The **REASON** and **PURPOSE** of this modification have been explained to me.

CUSTOMER NAME (PLEASE
PRINT)

TITLE

CUSTOMER SIGNATURE

DATE

BRANCH _____
REGION / _____
DEALER : _____

SERVICE UNIT /
SERVICE AREA NO.: _____